BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

BYATARAYANAPURA DIVISION

BYATARAYANAPURA SUB DIVISOIN

Name of the Work : **Improvements and maintenance of footpath in ward no -08 jakkur**

EMB
Detail Measurement

Job Code : 008-23-000008

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BRUHATH BANGALORE MAHANAGARAPALIKE
YELAHANKA ZONE
1and Final Bill
Detail Measurements

Name of work: Improvements and maintenance of Footpath in ward No. 08, jakkur
Work Order No:- BBMP/EE/BTP/WO/149/2022-23 , dt:07/03/2023
JOB NUMBER: 008-23-000008
Estimate Cost: 30.00 lakhs.
As No: AS/CE(YNK)/145/2022-23 Dt: 16.09.2022
Ts No :TS/ CE(YNK) /145/2022-23 dt : 16.09.2022
Name of Contractor : Sri B P Shanmugam

Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
1	Removing and resetting of footpath slab (Data Rate)								
		Sqm							
	Qty Recorded as per Premeasurement Item No. 01			Page-01			277.50	200.00	55500.00
2	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. (PWD SR 2021-22 Vol -I Pg No 5 item no 1.4.1)								
		Cum							
	Qty Recorded as per Premeasurement Item No. 02			Page-02			303.83	180.00	54689.40
3	Providing and laying in position plain cement concrete Mix 1:3:6 (M10) for levelling course for all works in foundation. Using 40 mm nominal size graded crushed coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (PWD SR 2021-22 Vol -I Pg 15 item no 2.1.3)								
	Qty Recorded as per Premeasurement Item No. 03			Page-2					
		Cum	03				25.43		127150.00
	Total						25.43	5000.00	127125.00
4	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M20 (The cost of steel reinforcement & formwork to be paid separately) (PWD SR 2021-22 Vol -I Pg 17 item no 2.4.2)								
	item-4 - Page No. 3	Cum					51.86	—	311160.00
	Total						51.86	6000.00	311175.00

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	Supplying, Fitting and Placing TMT Fe550 bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications. MORTH Specification NO.1600&2200 (PWD SR 2021-22 Vol -III Pg 99 item no 13.1)							
	Qty Recorded as per Premeasurement Item No. 5 Page no 3704					3.14	80000.00	251200.00
6	Providing and Fixing pre cast covering Slab 100mm thick made out of CC , Jelly 20mm Down Size with steel reinforcement including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete as per Engineer incharge. (Data Rate)							
	For RCC Drain - JAKKRU							
	Cross Road-1	Sqm						
	In front of Durga nilaya to opposite to BBMP help line office							
	Ch 0-30		1	30	0.9	27.00		
	Ch 30-60		1	30	0.9	27.00		
	Ch 60-90		1	30	0.9	27.00		
	Ch 90-120		1	30	0.9	27.00		
	Ch 120-150		1	30	0.9	27.00		
	Ch 150-169.5		1	19.5	0.9	17.55		
	Govt School Road(Dhanalakshmi jewells to Anjaneya provision store							
	Ch 0-30		1	30.00	1.50	45.00		
	Ch 30-60		1	30.00	1.50	45.00		
	Ch 60-85		1	25.00	1.50	37.50		
	Abbubakar Masjid Road							
	Rajkaluve to Sagide enterprises							
	Ch 0-30		1	30.00	0.90	27.00		
	Ch 30-60		1	30.00	0.90	27.00		
	Ch 60-76		1	16.00	0.90	14.40		
	From Barkata store to Trithwa Ashram (church)							
	Ch 0-30		1	30.00	0.75	22.50		
	Ch 30-60		1	30.00	0.75	22.50		
	Ch 60-85		1	25.00	0.75	18.75		
	Basaveshwara nilaya to cross road		1	18.00	0.90	16.20		
				Total quantity		428.40	1600.00	685440.00
7	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paidseparately) Mix 1:2:4 (M15) Using 20 mm nominal size graded crushed coarse aggregates (PWD SR 21-22 Vol I Pg no 17 Item No 2.4.1)							
	Jakkuru	cum						
	Govt School Road(Dhanalakshmi jewells to Anjaneya provision store							
	Ch 0-30		2	30.00	0.15	0.10	0.90	

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	Ch 30-60		2	30.00	0.15	0.10	0.90			
	Ch 60-90		2	30.00	0.15	0.10	0.90			
	Abbubakar Masjid Road									
	Rajkaluve to Sagide enterprises									
	Ch 0-30		2	30.00	0.15	0.10	0.90			
	Ch 30-60		2	30.00	0.15	0.10	0.90			
	Ch 60-90		2	30.00	0.15	0.10	0.90			
	From Barkata store to Trithwa Ashram (church)									
	Ch 0-30		2	30.00	0.15	0.10	0.90			
	Ch 30-60		2	30.00	0.15	0.10	0.90			
	Ch 60-90		2	30.00	0.15	0.10	0.90			
	Ch 90-120		2	30.00	0.15	0.10	0.90			
	Ch 120-130		2	10.00	0.15	0.10	0.30			
							9.30	5797.83	8.40	53919.82
8	Providing and fixing pre cast solid cement concrete Kerb Stones made out of M20 with top and bottom width 114 and 165mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading, unloading, lead and lift transportion etc., complete as directed by the Engineer in charge of the work(from finish concrete and no painting to be done)(Data Rate)									
	Jakkuru	Sqm								
	Govt School Road(Dhanalakshmi jewells to Anjaneya provision store									
	Ch 0-30		1	30.00			30.00			
	Ch 30-60		1	30.00			30.00			
	Ch 60-90		1	30.00			30.00			
	Ch 90-120		1	30.00			30.00			
	Ch 120-150		1	30.00			30.00			
	Ch 150-180		1	30.00			30.00			
	Ch 180-193		1	13.00			13.00			
	Telecom layout 2nd Main road									
	LHS Side kerbs									
	Ch 0-30		1	30.00			30.00			
	Ch 30-60		1	30.00			30.00			
	Ch 60-90		1	30.00			30.00			
	Ch 90-120		1	30.00			30.00			
	Ch 120-125		1	8.00			8.00			
	RHS Side kerbs									
	Ch 0-24		1	24.00			24.00			
	Ch 34-58		1	24.00			24.00			
	Ch 68-92		1	24.00			24.00			
	Ch 102-126		1	24.00			24.00			
	Ch 136-160		1	24.00			24.00			
	Ch 170-194		1	24.00			24.00			
			Total Length				465.00			392665.40
	Total	Number of kerbs			Length / 0.45		1033.33	380.00		392666.67
9	Painting Two Coats on New Concrete Surfaces Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concretesurfaces. MORTH Chapter 803 (PWD SR 2021-22 Vol III Pg no 56 Item No 8.10)									

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	Jakkuru	Sqm							
	Govt School Road(Dhanalakshmi jewells to Anjaneya provision store								
	Ch 0-30		1	30.00		0.35	10.50		
	Ch 30-60		1	30.00		0.35	10.50		
	Ch 60-90		1	30.00		0.35	10.50		
	Ch 90-120		1	30.00		0.35	10.50		
	Ch 120-150		1	30.00		0.35	10.50		
	Ch 150-180		1	30.00		0.35	10.50		
	Ch 180-193		1	13.00		0.35	4.55		
	Telecom layout 2nd Main road								
	LHS Side kerbs								
	Ch 0-30		1	30.00		0.35	10.50		
	Ch 30-60		1	30.00		0.35	10.50		
	Ch 60-90		1	30.00		0.35	10.50		
	Ch 90-120		1	30.00		0.35	10.50		
	Ch 120-125		1	8.00		0.35	2.80		
	RHS Side kerbs								
	Ch 0-24		1	24.00		0.35	8.40		
	Ch 34-58		1	24.00		0.35	8.40		
	Ch 68-92		1	24.00		0.35	8.40		
	Ch 102-126		1	24.00		0.35	8.40		
	Ch 136-160		1	24.00		0.35	8.40		
	Ch 170-194		1	24.00		0.35	8.40		
	Total						162.75	80.00	13020.00
10	Loading and Unloading of Stone Boulder/Stone aggregates/ Sand/Kankar/Moorum. (Tipper 5.5 m3) (PWD SR 2021-22 Vol-III Page No.3, Item No.1.1A)								
	Qty Vide frm Item No-02	Cum					303.83		
	Total						303.83	102.00	30990.66
11	Cost of Haulage Excluding Loading and Unloading Taking output 10 t load and lead 10 km = 100 t.km (PWD SR 2021-22 Vol-III Page No.3, Item No.1.4A)								
	Qty frm Item No-10	Tonne		303.83	1.28		388.90		
	Total						388.90	95.00	36945.50
								Grand Total	2012672.00
								GST Charges (18% of estimated cost)	362281.00
								Total Amount	2374953.00

Contractor

Assistant Engineer
Ward No. 08

Assistant Executive Engineer
Byatarayanapura Sub Division

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